



# Workshop on Ethanol and Alkylates in Fuels

## Overview of Office of Fuels Development Energy Efficiency and Renewable Energy

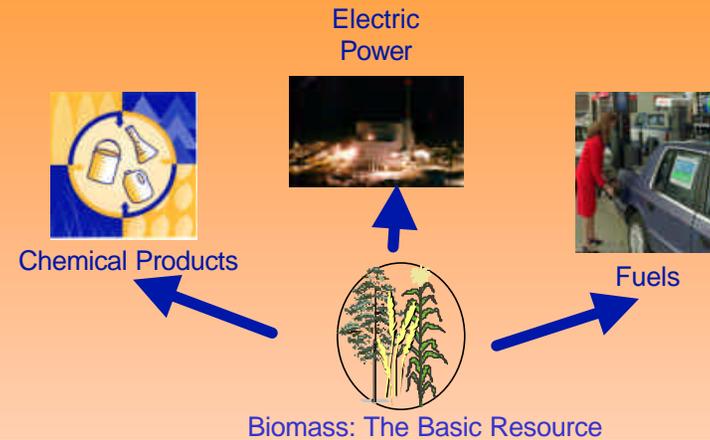


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# Mission

Perform R&D to enable and support the establishment of a large integrated biomass-based bioenergy industry that supplies fuels, chemicals, and electricity



Foster new domestic jobs, and reduce carbon emissions and reliance on imported fuels





# Scope

Program Areas (\$40 Million per year total)

- Biomass Feedstock Development
- Biomass Conversion Technology R&D
- Renewable Diesel Alternatives R&D
- Regional Biomass Energy Program
- Bioenergy Initiative





# Objectives

## **Feedstock Production**

Develop cost competitive feedstock supply systems to support large-scale wide-spread production of fuels, chemicals, and power



## **Biomass Conversion**

Develop integrated bioengineering systems to increase conversion yields and reduce ethanol and chemicals production cost





## Objectives (continued)

### **Renewable Diesel Alternatives**

Support the development, testing, and deployment of diesel alternatives.



### **Regional Program**

Foster the use of bioenergy alternatives through technology transfer and industry support at regional and state levels.





## Strategic Approach

- ✍ Focus on ethanol production research, development and deployment as most promising option
- ✍ Partner with industry to build demonstration facilities
- ✍ Core research and development to reach program cost goals and proceed beyond first demonstration facilities



# Office of Energy Efficiency and Renewable Energy

